

Neosho Headwaters/Lyon County

Flood Risk Review Meeting

January 22, 2019

William Lindsey White Civic Auditorium ♦ Conference Room 1AB, 516 Mechanic St., Emporia, KS

KDA - Division of Water Resources Topeka Field Office

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A web map is available to review project information: http://gis2.kda.ks.gov/gis/Neosho_hw/

Important Upcoming Dates

This FRR is for the Neosho Headwaters watershed. The projected dates for Preliminary Distribution and beyond are for the Lyon County portion of the project.

1. Deadline to submit FRR Meeting comments	February 22 th
2. Estimated Public Open House	May 2019
3. Estimated Preliminary Distribution of DFIRM	August 2019
4. Estimated Community Coordinator's Officer Meeting	September 2019
5. Appeals Period <i>* Dates depend on publication in Federal Register.</i>	November 2019- January 2020
6. Letter of Final Determination <i>* No changes to the map are made after this time. This date is exactly six months prior to effective date of new maps.</i>	May 2020
7. Effective Date of New Maps	November 2020

Please note that all dates are subject to change, particularly after preliminary distribution as there are occurrences out of KDA or Wood's control that can affect schedule, such as publishing in the Federal Register. The number of comments and appeals can also affect schedule, which is part of the reason why we believe it is important to discuss potential issues or questions early on in the process. We appreciate your participation at this time and look forward to working with you throughout the continuation of this process.

Process to create the maps

Discovery meetings were held for the Lower Cottonwood watershed in Cottonwood Falls in April 2015, for the Neosho Headwaters watershed in Emporia in February 2017, and for the Upper Marais des Cygnes Watershed in Ottawa in February 2017. These meetings discussed watershed mapping needs due to outdated engineering being used for the effective maps, and the fact that some counties were still using paper maps. The Neosho Headwaters project, in conjunction with the Lower Cottonwood and Upper Marais des Cygnes projects, has produced updated floodplain mapping for all of Coffey County, all of Lyon County and those portions of the watershed in Chase County, Wabaunsee County, the City of Council Grove, and the City of Dunlap.

New detailed modeling using rainfall-runoff hydrology and 1D HEC-RAS hydraulics was completed for 77.1 miles of streams, including three tributaries near Emporia, a portion of Pester Creek near Americus, a portion of Eagle Creek near Olpe, a portion of Rock Creek near Burlington, a portion of the Neosho River near Burlington, and a large portion of the Neosho River through Lyon County.

New limited detailed modeling using rainfall-runoff hydrology and 1D HEC-RAS hydraulics was completed for 2.3 miles of Elm Creek near Council Grove. Limited detailed modeling was also completed for another 19.3 miles of the Neosho River; including portions of the stream in Lyon County, near Dunlap, and near Council Grove; using hydrology developed from a statistical gage/flow analysis, and 1D HEC-RAS hydraulics.

Static Zone AE floodplains were developed for John Redmond Reservoir using a statistical stage analysis. State Zone AE floodplains were developed for Thornedale Lake using rainfall-runoff modeling.

The project included incorporation of a LOMR project for the Cottonwood River in Lyon County. Re-delineation of several previously studied streams in Lyon County on the 2011 LiDAR topography was also done for this project.

Approximate Zone A hydraulics was completed for the remaining streams within the study area using 2D HEC-RAS hydrology and hydraulics.

Non-regulatory flood risk products will be developed watershed-wide. Lyon County, the City of Council Grove, and the City of Dunlap will have updated digital floodplain maps developed on the 2011 acquired LiDAR.

Data can be downloaded from: http://bit.ly/Neosho_HW

*If you have any problems with retrieving the data, please contact Joanna Rohlf.

- **Draft_DFIRM**
 - Shapefiles of the draft DFIRM data
- **Meeting documents**
 - Power Point & Handouts (plus Sign-In sheets when available)
- **FRR.mxd**
 - MXD with data on the FTP site loaded and symbolized. It does not contain topography or imagery, but they can be easily added to the MXD.